

## GASCONADE RIVER BASIN

06930450 BIG PINEY RIVER AT DEVIL'S ELBOW, MO  
(Ambient water-quality monitoring network)

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°50'53", long 92°03'44, in SE 1/4 NE 1/4 sec.18, T.36 N., R.10 W., Pulaski County, Hydrologic Unit 1929020, at bridge on County Highway V at Devil's Elbow.

PERIOD OF RECORD.--July 1977 to October 1989, November 1992 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER- ATURE WATER (DEG C) (00010)	SPE- CIFIC CON- DUCT- ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	OXYGEN, DIS- SOLVED (mg/L) (00300)	OXYGEN, DEMAND, (PER- CENT SATUR- ATION) (mg/L) (00301)	OXYGEN CHEM- ICAL (HIGH µm-MF LEVEL) (mg/L) (00340)	COLI- FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA- LINITY WAT WH TOT FET FIELD (mg/L as CaCO <sub>3</sub> ) (00410)
DEC 04...	0900	242	8.5	354	7.4	11.6	101	--	K6	K5	160
FEB 01...	0900	530	1.5	309	8.0	13.9	98	<10	K7	K4	144
MAR 20...	0840	296	7.0	344	8.0	11.5	94	--	K5	K8	173
APR 15...	1100	457	13.0	287	8.1	10.0	94	--	26	K18	147
JUN 13...	1500	475	22.5	277	8.1	10.6	120	<10	140	K10	142
AUG 27...	1230	282	25.5	317	8.1	9.4	114	--	20	K17	157

DATE	BICAR- BONATE WATER WH IT FIELD (mg/L as HCO <sub>3</sub> ) (00450)	CAR- BONATE WATER WH IT FIELD (mg/L as CO <sub>3</sub> ) (00447)	NITRO- GEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (mg/L as N) (00630)	NITRO- GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO- GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD- NESS TOTAL (mg/L as CaCO <sub>3</sub> ) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)
DEC 04...	195	0	0.240	<0.010	0.040	<0.20	0.020	0.020	--	--
FEB 01...	176	0	0.710	0.010	0.030	<0.20	<0.020	0.010	150	30
MAR 20...	211	0	0.280	0.010	0.050	<0.20	<0.020	<0.010	--	--
APR 15...	180	0	0.440	<0.010	0.010	0.21	<0.020	<0.010	--	--
JUN 13...	174	0	0.330	<0.010	0.010	<0.20	<0.020	0.010	150	31
AUG 27...	189	0	0.230	<0.010	0.030	<0.20	<0.020	0.020	--	--

DATE	MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO <sub>4</sub> ) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)
FEB 01...	18	3.0	1.2	7.0	6.5	<0.10	196	2	60	<20
JUN 13...	17	2.2	1.4	5.6	5.5	<0.10	196	9	100	18

DATE	CADMIUM TOTAL RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)
FEB 01...	<1	<1.0	<1.0	6.0	<1	<1.0	7.5	<0.10	<4	<4.0
JUN 13...	<1	<1.0	<1.0	20	<1	<1.0	12	<0.10	2	<1.0

K--Results based on colony count outside the acceptable range (non-ideal colony count).